

Notice of Allowability

Application No.

09/927,809

Examiner

(Iraq) Alan Rahimi

Applicant(s)

SILVERBROOK ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10 August 2001.
2. ☒ The allowed claim(s) is/are 1-71.
3. ☒ The drawings filed on 10 August 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☒ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. 09/693,301.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 7 February 2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


EDWARD COLES
SUPERVISORY PATENT EXAMINER
TECHNICAL 3600

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given via fax by Kia Silverbrook on May 31, 2005 .

The application has been amended as follows:

Claim 9. A printer according to claim 1, wherein the coded data includes at least one tag, each tag being indicative of the identity of the region.

Claim 14. A printer according to claim 1, the printer being configured to print the interface onto the surface on demand.

Claim 15. A printer according to claim 1, wherein the interface is printed over a plurality of the pages.

Claim 16. A printer according to claim 1, wherein the surface is defined by a substrate.

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Claim 53. A printer according to claim 52, wherein the tags are disposed in a regular array on the surface, in accordance with the coded layout.

Claim 59. A printer according to claim 1, wherein the printing mechanism includes an inkjet printhead for printing ink onto the surface.

Claim 68. A printer according to claim 1, wherein the coded data is printed using an ink that contains a dye that contains an infrared-absorbing molecule that consists of two side groups that contain an odd number of carbon atoms and unsaturated nitrogen atoms whereby each of these carbon atoms and unsaturated nitrogen atoms can be locally described as being chemically bound to three adjoining atoms if it is a carbon atom and chemically bound to two adjoining atoms if it is a nitrogen atom of which at least one must be a carbon atom or an unsaturated nitrogen atom such that of these adjoining atoms there is only one double bond to one carbon atom or an unsaturated nitrogen atom whereby the two groups are chemically bound together by one or more intervening central groups wherein the central group preferably is one of CO, O, S, SO, SO₂, Se, SeO, SeO₂, Te, TeO, TeO₂, CR₁R₂, NR₁, SiR₁R₂, GeR₁R₂, PR₁ where R₁ and R₂, which may be the same or different, are selected from the group R; and

the central group may contain more than one of the above mentioned specific groups in any possible combination; and

additionally, the two side groups can be directly connected to each other; and

R is the group consisting of a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted aryl group, a substituted or unsubstituted

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aralkyl group, a halide atom, a hydroxy group, a substituted or unsubstituted amine group, a substituted or unsubstituted thioalkyl group.

Claim 71. An interface surface produced by a printer according to claim 1.

Priority

2. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Australia on 8/14/2000 (PQ9412 & PQ9376), 8/18/2000 (PQ9509) and 8/21/2000 (PQ9561 & 9571). It is noted, however, that applicant has not filed a certified copy of the foreign application as required by 35 U.S.C. 119(b). Certified copies are being mailed by applicant as indicated on an email dated May 31, 2005 to the examiner.

Allowable Subject Matter

3. Claims 1-71 are allowed.

4. The following is an examiner's statement of reasons for allowance: The prior art and the prior art of record, Dymetman do not teach all the limitations of claim 1, specifically a printer for receiving document data from a computer system and printing an interface onto a surface, the interface being at least partially based on the document data, the document data including identity data indicative of at least one identity, the identity being associated with a region of the interface, the interface including coded data, the printer including:

a coded data generator configured to generate the coded data based at least partially on the identity data and a printing mechanism for printing the interface onto the surface.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Other Prior Art Cited

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Dymetman et al. (US patent 6,330,976) discloses marking medium area with encoded identifier for producing action.

Back et al. (US patent 6,655,586) discloses system and method that detects a page identification using embedded identification tags.

Damera-Venkata et al. (US patent application publication 2003/0112471) discloses generating graphical bar codes by halftoning with embedded graphical encoding.

Hilton et al. (US patent application publication 2004/0075869) discloses document printed with graphical symbols which encode information.

Contact Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to (Irj) Alan Rahimi whose telephone number is 571-272-7411. The examiner can normally be reached on Mon.-Fri. 8:00 - 4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L Coles can be reached on 571-272-7402. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2600.



Alan Rahimi
May 27, 2005



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